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IN THE CLAIMS

1. (Original) A stereoscopic image display apparatus comprising:
a light source radiating light of a wavelength in a predetermined wavelength
range;
a one-dimensional spatial modulator including one-dimensionally arrayed
elements that are independently driven to generate an arbitrary phase distribution; and
a scan unit scanning the light to a predetermined direction, the light being from
said light source, having entered into said one-dimensional spatial modulator and
having been modulated therein.

2. (Original) The stereoscopic image display apparatus according to claim 1,
wherein

 said scan unit scans the light modulated by said one-dimensional spatial
modulator in a direction perpendicular to an arraying direction of the element of said
one-dimensional spatial modulator.

3. (Original) The stereoscopic image display apparatus according to claim 1,
wherein

 said light source is provided with laser oscillators radiating laser beams having
wavelengths in predetermined wavelength ranges severally corresponding to red, green
and blue.

4. (Original) The stereoscopic image display apparatus according to claim 1,
said apparatus further comprising:

 a diffuser panel diffusing modulated light scanned by said scan unit.

5. (Original) The stereoscopic image display apparatus according to claim 1,
wherein

 said one-dimensional spatial modulator comprises a Grating Light Valve.

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6. (Original) A stereoscopic image display apparatus comprising:
 - a light source radiating light having a wavelength in a predetermined wavelength range;
 - a Grating Light Valve device that can independently drive each ribbon-like element therein to generate an arbitrary phase distribution;
 - a collimator lens making the light modulated by said Grating Light Valve device into parallel ray;
 - a scan unit scanning the parallel ray coming from said collimator lens;
 - a lens performing Fourier transformation on the scanned ray; and
 - a diffuser panel diffusing the ray Fourier transformed by said lens.

7. (Currently amended) A stereoscopic image display apparatus comprising:
 - means for radiating coherent light;
 - means for spatially modulating the coherent light in an-a one-dimensional direction to generate an arbitrary phase distribution; and
 - means for scanning the modulated light to a predetermined direction orthogonal to said one-dimensional direction.

8. (Currently amended) A stereoscopic image display method comprising:
 - radiating coherent light;
 - spatially modulating the coherent light in an-a one-dimensional direction to generate an arbitrary phase distribution; and
 - scanning the modulated light to a predetermined direction orthogonal to said one-dimensional direction.